

### **WHAT IS CLAIMED IS:**

1. A ratchet wrench with a removable tool head comprising: a main body, a retaining ring, a tool head, a control rod, a bayonet pin, a control piece, an elastic element and a positioning element;

5           the main body provided with a receiving space at a head thereof, in the receiving space defined with a hole, at a side of the hole formed with an annular groove, a control hole defined in the receiving space and located beside the hole, and a horizontal hole corresponding to the control hole defined on internal surface of the receiving space;

10           the retaining ring bring an elastic ring and received in the annular groove of the main body in a manner that the retaining ring protruding a little out of the internal surface of the hole;

          the tool head provided with ratchet teeth on an outer periphery thereof, and an annular flute corresponding to the retaining ring defined  
15   on the tool head near an end thereof; through the annular flute, the tool head being retained by the retaining ring;

the control rod including an poke rod vertically connected with a shaft, the shaft inserted in the control hole, and a horizontal aperture defined on the shaft of the control rod and located adjacent to an end thereof;

5           the bayonet pin inserted in the horizontal aperture of the control rod in a manner that an end of the bayonet pin protruding out of shaft of the control rod;

the control piece received in the receiving space of the main body in corresponding to the tool head, an aperture formed on the control  
10   piece for reception of the shaft of the control rod, and at a side of the aperture a notch defined in a horizontal manner for reception of the bayonet pin, the control piece provided at both sides thereof with a left tooth and a right tooth in corresponding to the ratchet teeth of the tool head, the control piece further provided with a saddle structure in a  
15   direction corresponding to the tool head, the saddle structure defined with a middle recess at a center thereof, and at both sides of the middle recess a left recess and a right recess being defined respectively;

the elastic element disposed in the horizontal hole of the receiving space of the main body;

the positioning element received in the horizontal hole of the receiving space of the main body in a manner that an end of which pushes against the elastic element, and another end of which engages in the saddle structure of the control piece.

5           2. The ratchet wrench with a removable tool head as claimed in claim 1, wherein the tool head is provided at a surface thereof with engaging hole.

          3. The ratchet wrench with a removable tool head as claimed in claim 1, wherein the tool head is provided at its surface with connecting  
10   shaft.

          4. The ratchet wrench with a removable tool head as claimed in claim 1, wherein the elastic element is spring.